

19970925.qrp v00_n859.qrs.970925

Date: Thu, 25 Sep 1997 19:03:33 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 859

QRP-L Digest 859

Topics covered in this issue include:

- 1) [27389] Re: tube rigs
by Bob Roach <KE4QOK@worldnet.att.net>
- 2) [27390] For Sale: EXP II
by Joel Malman <malman@BBN.COM>
- 3) [27391] SOLAR STORM OCCURED
by Paul Harden <pharden@aoc.nrao.edu>
- 4) [27392] My Web Page
by Kory Hamzeh <kory@avatar.com>
- 5) [27393] Re: [27342] RE: The Demise of CW
by Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
- 6) [27394] DX on now..
by Niels Jensen Kristjansson <nkristja@cadvision.com>
- 7) [27395] FOX: Wondering if you should bother?
by Joe Gervais <vole@primenet.com>
- 8) [27396] Sound Blaster 16 DSP
by "Bob Edwards, W4ED" <w4ed@flash.net>
- 9) [27397] KH6AFS Hawaii
by n4so@juno.com (charles k brown)
- 10) [27398] More on closely spaced elements and antenna models
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 11) [27399] My Web Page
by Kory Hamzeh <kory@avatar.com>
- 12) [27400] What makes a QSO? + ATV!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 13) [27401] Re: Virtual Pacificon??
by Greg Newberry <newberry@cyberhighway.net>
- 14) [27402] S92??
by Monte Stark <ku7y@sage.dri.edu>
- 15) [27403] Web Page
by Chris Trask <ctrask@primenet.com>
- 16) [27404] Re: S92?? & Working Dx
by Ken Lopez <kjlopez@earthlink.net>
- 17) [27405] BUBBA '97 Results! (Long)
by Joe Gervais <vole@primenet.com>
- 18) [27406] First SSB QRP Contact!
by David Smith <qrpdave@ocsnet.net>
- 19) [27407] Re: Tube QRP rigs

- by Michael <MichaelN@cycat.com>
- 20) [27408] AL7FS - NE QRP Afield - 1997
by "Jim, Nancy, Juliann, and Issei" <larsennnc@alaska.net>
- 21) [27409] HT-40, T0-keyer spoken for.
by Jim W7LS <w7ls@brigadoon.com>
- 22) [27410] Novice Foxhunt
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 23) [27411] thank you
by BWHITTEM@mailgw.sanders.lmco.com
- 24) [27412] Re: First SSB QRP Contact!
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 25) [27413] HW-8 mod handbook
by Woody Lee <WOODY@HB0I.edu>
- 26) [27414] Thanks
by John Bates <batesjw@netspace.net.au>
- 27) [27415] Re: S92??
by John Bates <batesjw@netspace.net.au>
- 28) [27416] Rainbow Tuner Questions
by Joe Everhart <n2cx@voicenet.com>
- 29) [27417] Re: To CW or not to CW that is the ?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 30) [27418] Re: Virtual Pacificon??
by Chris Cartwright <ccart@dns.vidtel.com>
- 31) [27419] Re: S92??
by Monte Stark <ku7y@sage.dri.edu>
- 32) [27420] Re: To CW or not to CW that is the ?
by Monte Stark <ku7y@sage.dri.edu>
- 33) [27421] Re: Virtual Pacificon es foxii
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 34) [27422] Re: To CW or not to CW that is the ?
by Ed Loranger <we6w@qsl.net>
- 35) [27423] Re: Sound Blaster 16 DSP
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 36) [27424] Re: HW-8 mod handbook
by Michael <MichaelN@cycat.com>
- 37) [27425] PM3A front end transistor swap success
by David Feldman <dgif@netcom.com>
- 38) [27426] Re: To CW or not to CW that is the ?
by Jim Glover <psykey@okcforum.org>
- 39) [27427] Re: To CW or not to CW that is the ?
by w4bws@juno.com (Donald E Sanders)
- 40) [27428] Re: Tube QRP rigs
by w4bws@juno.com (Donald E Sanders)
- 41) [27429] Shocking stuff
by Steven Weber <kd1jv@moose.ncia.net>
- 42) [27430] Re: Shocking stuff
by Bob Hightower <ki7mn@dancris.com>
- 43) [27431] Novice/Tech+'s

by Brad Mugleston <bmug@gwl.com>
44) [27432] Re: Shocking stuff
by Monte Stark <ku7y@sage.dri.edu>
45) [27433] Re: Multi-band Verticals
by George Gingell <k3tks@u1.abs.net>
46) [27434] 'Safer' Gell cell battery pack
by Michael <MichaelN@cycat.com>
47) [27435] 38S ends
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
48) [27436] Re: Shocking stuff
by Chris Cartwright <ccart@dns.vidtel.com>
49) [27437] BUBBA Results Correction
by Joe Gervais <vole@primenet.com>
50) [27438] Re: Shocking stuff
by Ed Loranger <we6w@qsl.net>
51) [27439] Re: Shocking stuff
by Bob Hightower <ki7mn@dancris.com>
52) [27440] CW
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
53) [27441] Homebrew
by "Owen 'OJ' Quarles" <k1oj@swbell.net>
54) [27442] Houston Bubba Feast
by Bill Morris Denton <bdenton@tenet.edu>
55) [27443] Fox Hints ??
by "W. D. Lindsey" <70511.3041@compuserve.com>
56) [27444] Novice/Tech+'s
by "W. D. Lindsey" <70511.3041@compuserve.com>
57) [27445] Re: Fox Hints ??
by Bob Hightower <ki7mn@dancris.com>
58) [27446] RE: working with SMT parts
by "Graham Firth" <Graham.Firth@btinternet.com>
59) [27447] HELP!!!!
by Brad Mugleston <bmug@gwl.com>
60) [27448] Re: HELP!!!!
by Ed Loranger <we6w@qsl.net>
61) [27449] Re: HELP!!!!
by Ed Loranger <we6w@qsl.net>

Date: Wed, 24 Sep 1997 23:19:18 +0000
From: Bob Roach <KE4QOK@worldnet.att.net>
To: ku7y@sage.dri.edu, qrp-1@Lehigh.EDU
Subject: [27389] Re: tube rigs
Message-ID: <19970924231913.AAA4949@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:25 PM 9/24/97 +0000, you wrote:

>On Wed, 24 Sep 1997, Michael wrote:

>

>Whenever you make a safty check with a volt meter and show no reading,
>also measure something "hot" to be sure your meter is really working!

>

>Get in the habit of doing this everytime you use your meter.

>

This is VERY VERY important. Two nights ago the alternator on my wifes car quit. I checked the battery and got 10V running and stopped. The very next night with the same meter I checked my repair and got a zero reading with the engine running. Since the car had just started and I was EXPECTING voltage I instantly assumed the meter was wrong. Had I been working on the mains in the house and expecting NO voltage I would not have given the 0V a second thought and might not be here to be writing this.

Safety First, Last and Always

(o o)

-----o00_()_00o-----

73 es TNX Advanced, W5YI VE, ARRL Member

KE4QOK KE4QOK@worldnet.att.net

Bob ke4qok@juno.com

136 Hermitage Road
Newport News, VA 23606
(757)930-0348

When the student is ready.....
The teacher will appear.

Date: Wed, 24 Sep 97 19:24:27 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@lehigh.EDU
Cc: malman@BBN.COM
Subject: [27390] For Sale: EXP II
Message-ID: <199709242324.TAA26852@nss2.CC.Lehigh.EDU>

Group,

I have an OHR Explorer II for 30 meters for sale. Reason selling: I already have two other 30 meter rigs in the shack.

I checked out the rig today, by connecting a 12 volt gell cell, G5RV and keyer. I quickly worked two stations: TK/DL4FF and S52GP. So I'm sure the

rig works. With the 12 volt gell cell, power out was 2 watts. BTW: The TK was my first Corsica on 30 meters.

Price is \$85 (firm) and I will ship to CONUS. (Includes manual, of course).

/joel wa1qvm malman@bbn.com Concord, Ma.
QRP-L 337, NORCAL 1884, QRP-ARCI 9305, et al.

Date: Wed, 24 Sep 1997 17:35:32 -0600
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.EDU
Subject: [27391] SOLAR STORM OCCURED
Message-ID: <199709242335.RAA10414@zia.aoc.nrao.edu>

Gang,
Hey, several big solar disturbances today. Here's excerpts from today's solar report with some explanation for what-its-worth dept.
--72, Paul NA5N

>JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
>SDF NUMBER 267 ISSUED AT 2200Z ON 24 SEP 1997

>IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z
>TO 24/2100Z: SOLAR ACTIVITY BECAME HIGH DURING THE PERIOD. REGION
>8088 (S28E11) PRODUCED AN IMPULSIVE M5/1B AT 24/0248Z WITH STRONG
>TYPE II AND IV SWEEP EVENTS.

An M5 flare is a biggie. General rule of the thumb is mid to upper C flares (C6-C9 flares) are sufficient to cause geomagnetic storming. M flares are a magnitude of order stronger than C's.

Type II bursts are caused by relativistic electrons (traveling near the speed of light) spiraling along the magnetic field lines of the solar disturbance from the shock wave as it travels outward from the sun. The higher the shock wave travels, the lower the frequency the bursts occur. It takes a huge event to blow solar mass high enough into the solar atmosphere to cause type II bursts ... which occur from ~400MHz down to ~8MHz. They are called sweep events because the bursts start at a high frequency and sweep (or drift) downward to the low frequencies. Type II and III's drift about 20MHz per second.

Type IV is continuum noise ... that is, radio emission occurring from several hundred MHz to ~8MHz SIMULTANEOUSLY.

>THE TYPE IV WAS OBSERVED FROM

>24/0248-0615Z. THE 2695 MHZ BURST WITH THIS EVENT WAS 650 F.U.

A type IV continuum noise storm usually lasts 30-60 minutes. This one lasted 2+ hours! Must have been very energetic ... confirmed by the 650 solar flux units measured at 2695 MHz.

>REGION 8088 ALSO PRODUCED AN M3/SF AT 24/1106Z WITH A STRONG TYPE II

>AND MODERATE INTENSITY TYPE IV. MINOR CENTIMETRIC BURSTS ACCOMPANIED

>THIS EVENT. THIS REGION ALSO PRODUCED A C8/1N AT 24/1834Z WITH A

>WEAK TYPE II.

A flare has to throw mass about one solar radii to cause emissions at 400MHz and below (centimeter range or below). These other flares, causing type II/IV events, is just saying these disturbances are major solar disturbances.

This type II stuff are classifications of radio bursting that occur at the same time as the solar disturbance. Burst storms are relatively short in duration (<tens of minutes). They're now over with ... but the 2nd punch will hit us in a couple of days.

>CORONAL MASS EJECTIONS AND VERY LARGE CORONAL

>MORETON WAVES WERE OBSERVED WITH THIS LONG DURATION EVENT AND THE M5

>MENTIONED ABOVE. REGION 8088 CONTINUES TO GROW AT A SLOW TO MODERATE

>PACE AND IS NOW MAGNETICALLY CLASSIFIED AS A BETA-GAMMA REGION

Coronal Mass Ejection (CME) is any solar disturbance that throws off mass into space. This is a huge shock wave of electrons and protons traveling at supersonic speeds. If the trajectory is right, this huge wave of electrons/protons will hit the earth, causing geomagnetic storming and disturbances in the ionosphere (and hence propagation). Below, major storming is forecasted, meaning the trajectory of this event is such that the Earth will pass through the shock wave of electrons.

>IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:

>THE GEOMAGNETIC FIELD WAS QUIET.

>IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS

>FORECAST TO BE QUIET TO UNSETTLED FOR 25 SEP AND THE FIRST HALF OF

>26 SEP. THE MASS EJECTIONS MENTIONED ABOVE ARE EXPECTED TO IMPACT

>THE EARTH ON LATE 26 SEP AND CONTINUE THROUGH 27 SEP. ACTIVE TO

>MAJOR STORM CONDITIONS SHOULD OCCUR DURING THAT PERIOD.

As mentioned above, this shock wave of electrons is predicted to hit the Earth on 26 Sept. The electron density is high enough that storm conditions are assured.

>ISOLATED

>SEVERE STORM INTERVALS ARE POSSIBLE DURING THAT TIME, ESPECIALLY AT

>HIGH LATITUDES.

As the electrons hit the Earth's geomagnetic field, they will flow along the field lines, concentrating in the pole regions, where radio storming will be the greatest. Feel lucky if you worked Jim Larsen AL7FS for QRPA ... 'cause a kilowatt ain't gonna do him much good friday or saturday (sorry Jim!).

This huge infusion of electrons into our magnetic field is also what makes the auroras ... so friday and saturday night ... there is a good chance of auroral activity in the higher latitudes.

III. EVENT PROBABILITIES 25 SEP-27 SEP

CLASS M	40/40/40	<-----predicting a 40% of more M class events
CLASS X	10/10/10	<-----X class events are the REALLY big ones
PROTON	10/10/10	
PCAF	GREEN	<-----means this event probably won't fry any satellites in orbit.

IV. PENTICTON 10.7 CM FLUX

OBSERVED	24 SEP 093	<----- bound to change by tomorrow
PREDICTED	25 SEP-27 SEP	095/096/097
90 DAY MEAN	24 SEP 081	

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP	23 SEP	005/004
ESTIMATED AFR/AP	24 SEP	004/004
PREDICTED AFR/AP	25 SEP-27 SEP	010/015-025/025-040/040

VI. GEOMAGNETIC ACTIVITY PROBABILITIES 25 SEP-27 SEP

A. MIDDLE LATITUDES

ACTIVE	15/40/30
MINOR STORM	05/15/30
MAJOR-SEVERE STORM	01/05/15

B. HIGH LATITUDES

ACTIVE	20/40/30
MINOR STORM	10/20/35
MAJOR-SEVERE STORM	01/10/20

Date: Wed, 24 Sep 1997 16:37:45 -0700 (PDT)

From: Kory Hamzeh <kory@avatar.com>

To: qrp-l@Lehigh.EDU

Subject: [27392] My Web Page

Message-ID: <Pine.BSF.3.96.970924163617.3591A-100000@ns1.avatar.com>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I finally got around to putting together a personal web page. I have pictures of several QRP paddles and stuff. The URL is <http://www.avatar.com/~kory>.

Any suggestions would be greatly appreciated.

Thanks,
Kory
AC6RN

Date: Wed, 24 Sep 1997 16:49:40 -0700 (PDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@netcom.com>
To: qrp-l@lehigh.EDU
Subject: [27393] Re: [27342] RE: The Demise of CW
Message-ID: <199709242349.QAA06090@netcom20.netcom.com>

I've mentioned Alan Sillitoe's book -The Lost Flying Boat- which has a lot of mention of CW and the romance of it, in a post-WWII adventure by a very literate author.

I've just finished reading his autobiography, -Life Without Armour- which my partner picked up remaindered lately. In it, he says "My first luxury, apart from travel, was the huge hundredweight black box of an AR-88 RCA communications receiver, of the type that I used in Malaya, with which one could eavesdrop on Morse code transmissions, never knowing when the idea for a novel or story would come into my earphones from the sacred aether. I also used it as kind of a therapy when for reasons known only to God I was paralyzed with despair halfway through a comma."

This took place roughly 1959.
73, doug

Date: Wed, 24 Sep 1997 18:18:56 -0600
From: Niels Jensen Kristjansson <nkristja@cadvision.com>
To: qrp-l@Lehigh.EDU
Subject: [27394] DX on now..

Message-ID: <1.5.4.16.19970924180718.1adf5e32@cadvision.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gang!

RN6BY is on 10,102.5 MHz now (00:15Z) working CA. =20
Dove in there with my 38S but no luck yet, keep trying.

72 de N=EDels
VE6NJK/TF3NJ

Date: Wed, 24 Sep 1997 18:03:21 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [27395] FOX: Wondering if you should bother?
Message-ID: <199709250103.SAA15565@usr09.primenet.com>

Howdy Folks,

Chuck (K5F0) wrote:

>

> The foxhunt helps this group test out rigs, <...> develop operating
> skills, test antennas, etc.

[*shuffle shuffle* Steps onto the Testimonial Box]

"My name is Joe, and I'm an addicted Fox hunter." :-)

I can personally vouch for what Chuck says here.

My first Fox season was spent on a very low inverted vee up
against the side of my house. Had a ton of fun and worked 8
Foxii. But I wanted to see how much I could improve. Needed
some low-angle radiation.

My second Fox season, I put up a Hamstick and six raised radials
on the corner of my patio cover. Worked 23 Foxii. Wowee! Still,
I thirsted for more.

This year, my third Fox season, I have in place the daunting
Fox Raider 3001(tm) ground-mounted HB vert, with 34 radials

made from 800 ft of copper. Thanks to Fox hunting, I was lured into building an antenna system that I've worked the world with! (Well, 23 countries on 5 continents in the past 6 months - close enough for me... ;-))

Notice these are all antennas we mere mortals can put up. I live in one of those dreaded cookie-cutter-home developments. No antennas allowed. Only put up my antlers when I'm operating, so I can get away with it. Plus I schmooze the neighbors. ;-)

Also, I was *amazed* at how much my listening skills had improved by the end of each Fox season. I can now ragchew with signals I never would've even *heard* before, much less copied. Plus, every contest I work a few sigs that I know wouldn't have been possible without the Fox hunting experience.

So if you're sitting on the fence, not sure if you want to join the chase or not, jump on in! You don't need great antennas or expert skills. But odds are you'll have both after a few years of chasing Foxii. ;-) Plus you'll have FUN!

Hope to hear ya out there! Well, mostly I hope to hear the Fox, but you get the idea. :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

AB7TT's True Signs of the End of the World:

- 1) Microsoft is now selling interactive Barney dolls. (Really!)
- 2) The Spice Girls.

Date: Wed, 24 Sep 1997 21:22:39 -0400
From: "Bob Edwards, W4ED" <w4ed@flash.net>
To: qrp-1@Lehigh.EDU
Cc: "Ray Sanders, KS4EG" <ray.chris.sanders@juno.com>, "Reed Krenn, WW3A" <WW3A@juno.com>
Subject: [27396] Sound Blaster 16 DSP
Message-ID: <3429BCDF.6DB@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Almost a QRP topic, since I would use the SB-16 as a CW filter in pulling out weak signals.

I'm trying to gauge the magnitude of rolling my own FIR filter using the SB-16 PnP card in my PC.

<http://www-nt-ca.creaf.com/wwwnew/tech/devcnr/sbhwfaq.html#q1>

This WWW site has info on programming the SB-16. Once their file CTSBHWPG.EXE is downloaded & run & installed per their read.me file, a manual (*.PDF) of 141 pages is available.

I scanned it for typical DSP info and found mostly PC audio type commands like "mono on" or "speaker status". Did not find any low level math/move/jmp/etc commands of a DSP. Did I scan to fast, or misunderstand what's there ?

--

Bob 72/73

<http://www.qsl.net/w4ed>

W4ED nr Atlanta @EM73wt

...."QRP", more from less....

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Date: Wed, 24 Sep 1997 21:50:42 EDT
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [27397] KH6AFS Hawaii
Message-ID: <19970924.084638.7503.0.n4so@juno.com>

Start listening for Sam at roughly 0100Z on 14.060.
I worked him at 0150Z the first week of September.
Expect his signals to be weak at s-2 to s-4.
Signal checks can made of the 14.100 NCDXF beacon signal of KH6WO in Hawaii.

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Wed, 24 Sep 1997 22:00:58 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: towertalk@contesting.com, antennas@qsl.net, QRP-L List <qrp-l@lehigh.EDU>
Subject: [27398] More on closely spaced elements and antenna models
Message-ID: <Pine.SOL.3.94.970924215826.4199C-1000000@utkux4.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added a few more notes and data to the file on the effects of close spacing of elements on antenna model output figures. Some of them show the difference a good model and make relative to a casual model.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off)(423) 974-7215
1434 High Mesa Drive	/	\	\	/	/	/	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	/	/	/	(FAX)(423) 974-3509
37938-4443 USA	/	\	\	/	/	/	cebik@utk.edu
URL: http://funnelweb.utcc.utk.edu/~cebik/radio.html							

Date: Wed, 24 Sep 1997 19:26:59 -0700 (PDT)
From: Kory Hamzeh <kory@avatar.com>
To: qrp-l@Lehigh.EDU
Subject: [27399] My Web Page
Message-ID: <Pine.BSF.3.96.970924192435.3965B-1000000@ns1.avatar.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I posted the message below to the QRP list this afternoon. Some people where including the "." after the "~kory" in the URL. The "." should not be included or it will cause a problem.

So the correct URL is:

<http://www.avatar.com/~kory>

Sorry about any confusion I may have caused.

Kory
AC6RN

----- Forwarded message -----

I finally got around to putting together a personal web page. I have pictures of several QRP paddles and stuff. The URL is <http://www.avatar.com/~kory>.

Any suggestions would be greatly appreciated.

Thanks,
Kory
AC6RN

Date: Wed, 24 Sep 1997 22:42:01 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [27400] What makes a QS0? + ATV!
Message-ID: <Pine.LNX.3.95.970924223724.386F-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I may have been overly hasty in confirming ZK1XXP; I know my callsign, but a priori, he does not. Thus he said "NF3?" to which I replied "NF3I" four times, and received "QSL" in return.

This, unfortunately, came after a good 2 second gap in what I could hear. So the question goes...

"Is this a good QS0?" Did he confirm my callsign?

My answer in retrospect is "I can't be sure." Of course, it doesn't mean that the NEXT time I snag him it'll be any easier, but hey, this is what it's all about, right?

Went to a Laurel ARC meeting tonite and received a demonstration of ATV.
Pretty cool stuff! You just have to make sure you don't pick your nose
while you're talking, because it's like a videophone :-)

Looking for ZK1XXP, this is

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 80 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Wed, 24 Sep 1997 18:57:28 -0600
From: Greg Newberry <newberry@cyberhighway.net>
To: tahrens1@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.EDU>
Subject: [27401] Re: Virtual Pacificon??
Message-ID: <3429B6F8.71F6@cyberhighway.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I sure hope the bandwidth on that server is good that day. It'll sure be
at test for them!!

Looking forward to the pictures!!

--

| Greg Newberry newberry@cyberhighway.net |
| WB7DUO QRP-L #760 |
NorCal #1899 CQC #465 AR-QRP #65

Date: Wed, 24 Sep 1997 20:29:28 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@lehigh.EDU>
Subject: [27402] S92??
Message-ID: <Pine.SUN.3.90.970924202752.6220A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

There is an S92 on about 7013. (0310z)

You on the east side might have a good shot at him.

Don't know the suffix....maybe AF or UF.

cul and gl

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 24 Sep 1997 21:35:50 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Bill Carver <bcarver@magiclink.com>
Cc: Monte Stark <ku7y@sage.dri.edu>, Low Power Amateur Radio Discussion <qrp-
l@lehigh.edu>
Subject: [27403] Web Page
Message-ID: <Pine.BSI.3.96.970924213405.25915A-1000000@usr03.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Finally, after all these months, I have gotten around to creating
my web page. The URL is:

<http://www.primenet.com/~ctrask>

It's not finished, but it's a start.

Regards,

Chris

What's all this
/ extinct stuff, anyhow? /
| /
oo\
(__)\

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240

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Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com

Graphics by Loek Frederiks

Date: Wed, 24 Sep 1997 21:42:18 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: ku7y@sage.dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27404] Re: S92?? & Working Dx
Message-ID: <3429EBAF.10A5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There is often a message such as this on the list. What is S92?? Well that is Sao Tome and Principe. Where the heck is that, you say?

Enter a whole new dimension for those of you new to the DX game. You should read Bob Locher, W9KNI. He wrote a great book on DXing. It is around here somewhere, but I can't find it. The Complete Dx'er? Is that the title? Available through most of the stores and the ARRL. He used to own Bencher, and maybe he still does. That tells you that the book is written from a CW point of view. A must read by all operators. Then you will know all the secrets.

Also, the ARRL publishes a world wide country atlas and map. The ARRL DXCC Countries List is indispensable, and I think it is only \$2 or \$3. It serves as a check list by band and country so you can keep track of your conquests. I learned that it is not the equipment, it is the operator's technique, and a favorable nod from propagation that really matters. So QRP DXCC is well within reach this sunspot cycle. After consulting the atlas or the country list you will realize that you don't know much about Geography, but will learn quickly.

So, Where is Sao Tome? Well, discovering that is part of the fun. You wouldn't want me to spoil that, would you?

Cheers,
Ken, N6TZV

Date: Wed, 24 Sep 1997 22:14:08 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [27405] BUBBA '97 Results! (Long)
Message-ID: <199709250514.WAA08470@usr09.primenet.com>

Howdy Folks,

At last the results are in, and the BUBBAs of the world have spoken. And they said, "Yeeeeehaaaaaw!" You can quote me on that. ;-) With a mere two weeks of notice, BUBBAs rose to the call of duty and in a few short hours made over 1,400 2xQRP QSOs all over North America and across the Atlantic.

Most important of all, everyone across the board said they had a great time, whether they worked 80 QSOs or 8. Or even 1. And that, my QRP bretheren/sisteren, is what all this is supposed to be about!

Observations:

- Nearly every Soapbox comment mentioned how great it was to work the "Triple DX BUBBAs" (EA8YU, XE1/K8ZAA, AL7FS). Many thanks to the three of you! (And to you Canadian BUBBAs as well.)
- Texas established itself as the BUBBA Capital of North America, with 6 of the top 18 scores coming from the Lone Star state.
- Milliwatting BUBBAs swarmed with a vengeance to take 3 of the top 4 scores.
- The AZ ScQRPion club station (NQ7RP) was busy all afternoon, passing out 52 QSOs to BUBBA Bonus hunters. Many thanks to Floyd (NQ7X) for taking NQ7RP on its maiden voyage. We got our \$30 worth. ;-)
- Bob (N4BP) came in with a gut-crushing score in the Outside category, and Ron (KU7Y) managed to keep the thermostat turned up long enough to rack up major points in the Indoors category. Too bad his wife made him sleep outside that night when she found out. ;-)

- Jack (WA8GHZ) was the Incredible Melting Outdoor BUBBA, with a Heat Index of 120. Jan (KB0WQT) somehow managed a toasty 92F inside the ol' QTH. Time to pass around the hat and buy a new A/C for ya. ;-)
- Lots of great Soapbox comments - will compile them and send them out in separate message soon.

That's it! A thousand thanks from the AZ ScQRPions to everyone who joined in! We ScQRPions may have sponsored BUBBA, but it was all of you who made it happen. *sniff* I'm getting all teary-eyed now. Group hug, everyone, group hug. :-) Thanks again!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" - AZ ScQRPions

===== BUBBA Prizes =====

Supreme Grand Poobah BUBBA '97:

Outside - N4BP (Super BUBBA Meal at McD's)
Indoors - KU7Y (Super BUBBA Meal at Burger King, just for you Ron. ;-)

Highest BUBBA Operating Temp:

Outside - WA8GHZ, 120 Heat Index (Battery-powered fan, BBQ Corn Nuts)
Indoors - KB0WQT, 92F (New backissue of TV Guide, BBQ pork rinds)

Random BUBBA Drawing:

(\$5/\$1 gift cert. to BUBBA Heaven, i.e. McDonald's)

Super BUBBA Meal Winner - N2APB
Big Mac Winners - AA4XX, W5SB, AL7FS, W3CV, KQ0I

===== BUBBA '97 Results by Score =====

(NOTE: While all BUBBAs are created equal, we're listing the results by score. The results will also be sorted by highest temp/Heat Index and posted on ScQRPion Bob (KI7MN)'s webpage at <www.dancris.com/~ki7mn>)

Please send corrections to me at <vole@primenet.com>.

Callsign Category QTH Q's SPC Temp Power Score

N4BP	Outside	FL	80	30	97F	950mW	468,600
K10J	Outside	TX	75	29	105F	5w	231,375
KU7Y	Indoors	NV	48	27	88F	950mW	231,096
AA4XX	Outside	NC		36	22	106F	900mW
	170,904						
AE0Q/7	Outside	WY	57	29	90F	5w	
	148,770						
K5ZTY	Indoors	TX	58	29	80F	5w	
	137,560						
W5VB0	Outside	AZ	50	25	98F	5w	
	125,500						
W5SB	Outside	TX	52	23	90F	5w	124,680
NQ7RP	Indoors	AZ	52	28	80F	5w	
	116,480						
W5FN	Outside	TX	29	19	98F	950mW	107,272
NA5N	Outside	NM	47	19	107F	5w	98,551
AB7TT	Outside	AZ	43	21	98F	5w	
	93,300						
EA8YU	Indoors	Canary	42	23	86F	5w	86,076
WA5WHN	Outside	NM	37	24	80F	5w	
	71,040						
K8CV	Indoors	MI	44	23	70F	5w	70,840
N2CQ	Indoors	NJ	30	16	75F	950mW	70,500
NR3E/5	Indoors	TX		38	20	82F	5w
							65,320
AF9T	Outside	WI	23	15	84F	900mW	60,960
W7QQQ	Indoors	AZ		20	12	87F	950mW
	44,760						
WA8GHZ	Outside	TX	25	14	120F	5w	42,000
AL7FS	Indoors	AK	28	19	77F	5w	40,964
N7KT	Outside	AZ	26	15	104F	4w	40,560
XE1/K8ZAA	Indoors	MEX		32	16	70F	QRP
	38,840						
N0UR	Indoors	MN	29	17	77F	5w	37,961
N2T0	Outside	NY	24	16	83F	5w	34,872
K1MG	Indoors	CA	23	18	79F	QRPp	32,706
KA5T	Indoors	TX	22	15	82F	5w	30,060
KG0ZT	Outside	MN	23	15	82F	5w	28,290
AB7MY	Indoors	AZ	23	11	83F	QRP	23,999
KR0I	Outside	MO	19	10	97F	4w	21,430
W5JH	Outside	AZ	20	8	103F	5w	19,480
N4ROA	Indoors	VA	26	9	70F	QRP	
	19,380						
KJ7NS	Indoors	WA	24	9	67F	QRP	
	17,472						
KT3A	Outside	PA	12	6	85F	950mW	16,968
WA1QVM	Indoors	MA		14	12	76F	4w
							15,768
W5BI	Outside	NM		22	6	80F	QRP

	14,060							
K50I	Outside	NM	13	9	94F	5w		13,998
W3CV	Outside	MD	13	9	85F	QRP		12,945
N9DD	Indoors	IN		15	8	75F	QRP	
	12,000							
KC1FB	Outside	CT	10	6	100F		900mW	
	12,000							
W6SIY	Indoors	CA		15	11	71F		4w
	11,715							
KQ0I	Indoors	IA	12	8	80F	5w		10,680
AB7OA	Indoors	AZ		14	10	76F		5w
	10,640							
KA3WMJ	Indoors	PA	14	7	80F		5w	
	7,840							
WA9PWP	Indoors	WI		9	6	78F		5w
	4,212							
KB0WQT	Indoors	CO		7	5	92F		5w
	3,220							
N2APB	Outside	NJ	6	3	81F		QRPp	
	2,916							
WE6W	Outside	CA		7	4	88F		1.5w
	2,464							
WB6JBM/8	Outside	OH	7	3	110F	4w		2,310
VE3SP	Indoors	ON	8	4	72F	5w		2,304
N7XJW	Outside	AZ	5	4	104F	5w		2,080
KI7MN	Outside	AZ	5	4	104F	5w		2,080
W7GVN	Indoors	AZ	6	2	75F	2w		900
N6CHV	Indoors	CA	1	1	82F	5w		82

Date: Wed, 24 Sep 1997 22:16:30 -0700
 From: David Smith <qrp-dave@ocsnet.net>
 To: QRP-L@lehigh.edu
 Subject: [27406] First SSB QRP Contact!
 Message-ID: <B00000023033@ntserv1.ocsnet.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

Hi there guys and fellow QRP nuts. Got my WM-20 back from Dave Benson, a super guy, and put it on the air. With a great deal of help from you guys--I followed your advice, and my first QSO was with AB4RK in Georgia! Wow! What a thrill! I've got to do this again! You dope pushers! Thanks all for the good advice and the fine rig.

QRPDave

Date: Thu, 25 Sep 1997 01:20:55 -0400
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@lehigh.edu>
Subject: [27407] Re: Tube QRP rigs
Message-ID: <3429F4B7.5AC6@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

qrpdave@ocsnet.net wrote:

>
> Hi guys and gals! I have been watching the postings about mis-wired houses,
> etc., and the shock danger from tube rigs. O.K. There is no shock value
> (hi!) in a 12V QRP rig, is there?

Just a note to keep us honest.
While there is no real electrocution risk from the 12V supply, there are
some
risks involved.
A 5 watt transmitter into 50 ohms gives about 45 volts peak to peak.
This is
enough to give you a tingle.
Being RF it wants to stay near the surface and can cause a skin burn,
but is
very unlikely to cause any serious health risk.

End feed on a half wave antenna can generate very high voltage, so
please do
take a little care with the RF.

Just to be aware, most of us are FAR more likely to injure ourselves
with the
soldering iron or wire cutters than with the RF, but it is good to
remain aware.

73 Michael N6CHV

Date: Wed, 24 Sep 1997 22:41:43 -0800
From: "Jim, Nancy, Juliann, and Issei" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [27408] AL7FS - NE QRP Afield - 1997

Message-ID: <342A07A7.520F@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska!

I had gobs of fun last weekend. Thank you all for the contacts...they are all precious to me. :-)

As Paul Harden, NA5N, said today about this coming weekend, "ISOLATED SEVERE STORM INTERVALS ARE POSSIBLE DURING THAT TIME, ESPECIALLY AT HIGH LATITUDES.

As the electrons hit the Earth's geomagnetic field, they will flow along the field lines, concentrating in the pole regions, where radio storming will be the greatest. Feel lucky if you worked Jim Larsen AL7FS for QRPA ... 'cause a kilowatt ain't gonna do him much good friday or saturday (sorry Jim!)."

I had fun filling in (with a colored pen) a pict file I have of all the 50 states. The distribution of states worked last weekend was fairly amazing. Conditions seemed to be good enough to have worked anyone who called if they happened to find me.

I encourage people to tune around after a CQ as I found many (more than 10 percent) of the calls were .300 to .500 high (one was .550) and a few were .250 low from the average call. A tight filter and no tuning misses calls.

I look forward to trying the Fox routine in December...please all wish me luck, I am actually a little bit nervous about it.

Results of this weekend are listed below. I include a one-time apology for any typos. I seem to always make at least one or two.

73, Jim, AL7FS

NE QRP Afield 9/20/97

Band Call S/P/C

20 N4BP FL

20 AK1P CA

20 AC5AM LA

20 W0CQC CO

20 WB4ZKA AZ

20 W0CLR MO

20 N2SMH NJ

20 K7SZL WA

20 N7GS MT

20	N0HJ	CO	
20	WE6W	CA	
20	WB6LMA	OR	
20	N7XNH	OR	
20	W6EMT	WA	
20	K50N	NM	
20	AB7TK	ID	
20	KN6YD	CA	
20	AA0ZR	CO	
20	VE6MAN	VE6	
20	N3LAZ	PA	1W
20	AB5UA	OK	900mw
20	W9SUL	MN	
20	AF9T	WI	
20	K0FRP	CO	950mw
20	N1FN	CO	
20	WQ0RP	MN	
20	N7VE	AZ	
20	N7KT	AZ	
20	N2CQ	NJ	
15	AF9T	WI	
15	N7VE	AZ	
15	K07X	UT	
15	WA7LNW	UT	
20	WA6NAE	CA	900mw
20	K1CL	MA	
20	WB8TPM	MI	750mw
20	KF6NKR	CA	
20	WB6JBM	OH	
20	WA1QVM	MA	
20	WA5WHN	NM	
20	K0EVZ	MN	
20	W2JEK	NJ	
20	VE3ABT	VE3	
20	N0IC	CO	
20	WA7LNW	UT	
20	W2WSS	NY	
20	N4S0	AL	
20	WB3GCK	PA	
20	N7PRZ	WA	
20	KJ7NS	WA	
20	N7CQR	OR	
20	NT1U	MA	
20	KB9AMG	WI	
20	VE3OM	VE3	1w
20	K5ZTY	TX	
20	W5VB0	AZ	
20	KU4AF	NC	

20 N2VPK NY
 20 K8WI MI
 20 K5UP OK
 20 AB7MY AZ
 20 NA5N NM
 15 WQ0RP MN
 15 HK7DSZ HK7 HK7
 15 N6MM CA
 15 KF6CTA CA
 20 KF6CTA CA
 20 K4WZ GA
 20 W5YA NM
 20 KG7OM WA
 20 AF4FE GA
 20 AF4FF GA
 20 NI0A MN
 20 N7CEE AZ 950mw
 20 WA9PWP WI

75 QSOs, 28 SPC, x 1 = 2100 points

--

Jim Larsen
 Anchorage, Alaska
 Acupressure Anchorage
 AL7FS ex-WA0LPK / KL7
 2 meter WAS #36
 Vision VR40 Recumbent Bike
<http://www.servcom.com/worcester/chat.htm> QRP Chat

Date: Wed, 24 Sep 1997 23:59:20 -0700 (PDT)
 From: Jim W7LS <w7ls@brigadoon.com>
 To: qrp-l@lehigh.edu, baswaplist@foothill.net
 Subject: [27409] HT-40, T0-keyer spoken for.
 Message-ID: <199709250659.XAA01602@k2.brigadoon.com>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

Thanks to all who were interested in the Hallicrafters rigs. They are spoken
 for. 73 de Jim, W7LS

Date: Thu, 25 Sep 1997 09:48:50 +0100

From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [27410] Novice Foxhunt
Message-ID: <199709250848.JAA17436@chuck.dallas.sgi.com>

I have three people with Novice/Tech+ licenses getting ready for the Novice/Tech+ version of the foxhunt. Are there any other Novice/Tech+ guys/girls that wanna play too? Come on down.

Send me email this week ASAP. This is a good way to get your code speed to 20wpm within 8 months, guaranteed.

FYI
Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Thu, 25 Sep 1997 07:43:20 -0400
From: BWHITTEM@mailgw.sanders.lmco.com
To: wager@juno.com, qrp-1@lehigh.edu
Subject: [27411] thank you
Message-ID: <42A4CFF0.1299@mailgw.sanders.lmco.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

jim, ori, and the rest of the 38s team,
thank you for the 38s project, you guys did an outstanding job. i got #116 i believe so was in the first run. the dedication and work it must have taken to do the project you guys did must have been enormous. congratulations on a job well done. 200 radios is quite an accomplishment. Ori's design was great and the rest of the team busted there butts to get the kits out. congratulations and THANK YOU!!!!

barry whittemore
wb1edi

Date: Thu, 25 Sep 1997 08:13:16 -0400 (EDT)

From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [27412] Re: First SSB QRP Contact!
Message-ID: <Pine.LNX.3.95.970925080600.3455D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Another convert...ahhh, yes...

I've got another one, too. This past Sunday, my friend Govind, KA3RTE, went to pick up his wife from Dulles Airport the other night, and he's been hearing about all of these good mobile QSO's I've been having...so anyway, he's got this MFJ-9420 that we've been trying to sell for him, when he says to me, "If I stop by, how fast can you get me 20m mobile?"

In about 10 minutes, we had the 9420 running into a hamstick, tuned up with my analyzer, on a quad-sticker mag mount on the roof of his car. He calls CQ and hears nothing. It was 9:30 at night. He then tuned around and heard a W2 with a NY accent calling CQ, and answered.

The guy was in San Diego. My friend flipped. He & I then had a 20m QSO that lasted about 15 miles (the string finally broke when we pulled the tin cans too hard) and I thought he was going to drive off the road from the complete sense of bewilderment he was displaying.

His Scout 555 is on its way from the seller, as he needed a noise blanker. He's already got the spot for the paddles picked out.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 80 grids worked on 8 watts *** HF 140 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

On Wed, 24 Sep 1997, David Smith wrote:

> Hi there guys and fellow QRP nuts. Got my WM-20 back from Dave Benson, a
> super guy, and put it on the air. With a great deal of help from you
> guys--I followed your advice, and my first QSO was with AB4RK in Georgia!
> Wow! What a thrill! I've got to do this again! You dope pushers! Thanks
> all for the good advice and the fine rig.

>
> QRPDave
>
>

Date: Thu, 25 Sep 1997 08:49:45 -0400
From: Woody Lee <WOODY@HBOI.edu>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [27413] HW-8 mod handbook
Message-ID: <A1CBFC2DCEF5CF11911800A024BB268B17BA2E@SAILFISH>
MIME-Version: 1.0
Content-Type: text/plain

Dear gang,

I've been lurking on this list for over a year now and have enjoyed it immensely. You guys are informative, courteous, and in Nils' case, nuts. The only bad thing about this list is that I can follow his random stream of consciousness, which I find very frightening! This hobby, and especially this group, is the most fun one can have without doing something immoral or illegal.

At a recent hamfest in Melbourne, Florida, I purchased a HW-8 radio from an estate sale. It came at a very reasonable price, and best of all I learned a little about it's former builder/owner/operator. Made me wish I had met him a long time ago and not waited till I was 40 before finally getting into amateur radio. Anyway, it seems to me I recently saw a post on this list that that someone was selling the last of the HW-8 mod handbooks. (Was it Mike Bryce?) If anyone knows who I should contact to purchase one, please e-mail me.

Thanks,
Woody Lee
KF4LTT

woody@hboi.edu

Smithsonian Marine Station
5612 Old Dixie Highway
Fort Pierce, FL 34946

Date: Thu, 25 Sep 1997 22:53:24 +1000
From: John Bates <batesjw@netspace.net.au>
To: qrp-l@Lehigh.EDU

Subject: [27414] Thanks
Message-ID: <342A5EC4.63ABDD2@netspace.net.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi there gang,

Just a short message to the following for their kind reply to my first message on the net and the wonderful information that has been provided. I will spend the next two weeks trying to sort through it. HI HI .

Thanks to Bill N7MFB, Bob AE4IC, Bruce VE5RC, Charles N4S0, Dale KD5QI, David G0BZF, Evan AA8TK, James WA6GER, Jim (and co.) AL7FS, John Evans, Ron KU7Y, Seab and Sharon AA1MY, Skip, and Wilford K0EVA.

Any others who have responded, thanks also. The above are the only ones that have got through before this response. Look forward to being an active participant in the QRP world and working many of you in the future.

All the best

Regards,

John

Date: Thu, 25 Sep 1997 22:17:23 +1000
From: John Bates <batesjw@netspace.net.au>
To: ku7y@sage.dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27415] Re: S92??
Message-ID: <342A5653.B5E13D0A@netspace.net.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang

The suffix S92 belong to the following:

SAO TOME and PRINCIPLE
AF Africa
ITU Zone 47
CQ Zone 36

The above information is courtesy of VK9NS (Jim Smith's) DXCC Listing.

Hope this solves your mystery.

73's

John

Monte Stark wrote:

```
> Hi All,  
>  
> There is an S92 on about 7013. (0310z)  
>  
> You on the east side might have a good shot at him.  
>  
> Don't know the suffix....maybe AF or UF.  
>  
> cul and gl  
>  
> 73, Ron,      SOWP 5545M,  
>  
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....  
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
```

Date: Thu, 25 Sep 1997 09:19:14 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@lehigh.edu
Subject: [27416] Rainbow Tuner Questions
Message-ID: <199709251319.JAA169269@nss2.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

Someone sent me some technical questions about the Rainbow Tuner some time within the last several weeks. I've been on the road and sharing my e-mail reading among several computers. Along the way several e-mails were lost before I could answer them.

So if you have queried me and not received a reply, please try again and
this time I will send out an answer! In fact I will answer *new* questions,
too! :-)

With apologies...

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Thu, 25 Sep 1997 09:28:08 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [27417] Re: To CW or not to CW that is the ?
Message-ID: <34089.owen@piper.eeel.nist.gov>

In message Wed, 24 Sep 1997 16:48:57 +0000 (GMT),
Jim Glover <psykey@okcforum.org> writes:

>listen to two
> CW transmissions (one of which could be at extremely high speeds),
> type one of them, while memorizing the other to be typed later,
> and still carry on a conversation with someone in the room!
> that either I am mistaken about the story, or that
> my father was a liar, since the feat described was utterly
> impossible.

I don't think that this is impossible. How many of us can listen to what the
wife is telling us and at the same time watch the news and get both. It's the
same to someone to who CW is a second language (not me). An example (simple
though it is) when I was a young tech we had a guy in the test dept. who had
been a Coast Guard CW operator for about 10 years. One day I connected a
speaker to a AF generator and sent his name "MAC" at about 20 WPM. About 15
seconds later he asked "did someone call me"? He didn't even realize I had
done it in CW. 72/73 Jim K4CGY

Date: Thu, 25 Sep 1997 09:50:54 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>

To: QRP Reflector <qrp-1@lehigh.edu>
Subject: [27418] Re: Virtual Pacificon??
Message-ID: <Pine.LNX.3.93.970925094805.642B-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 24 Sep 1997, Greg Newberry wrote:

> I sure hope the bandwidth on that server is good that day. It'll sure be
> at test for them!!

Good point, is there anyone that can volunteer a mirror site, for a few
days? Maybe on the east coast? That way we won't have that three hour
time zone delay thingie :-)

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --  
-- N3XRV               QRP WAS 17/9 (w/c)   |       ccart@erols.com       --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #????? | http://dns.vidtel.com/~ccart --  
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --
```

Date: Thu, 25 Sep 1997 07:13:20 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: John Bates <batesjw@netspace.net.au>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27419] Re: S92??
Message-ID: <Pine.SUN.3.90.970925070721.6949C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Sep 1997, John Bates wrote:

> Hi gang
>
> The suffix S92 belong to the following:
>
> SAO TOME and PRINCIPLE
> AF Africa
> ITU Zone 47
> CQ Zone 36

Hi John,

This is the prefix! And yes, that's right. But there are two

stations active over there right now and their suffix's are close to the same, one being "AF" and the other being "UF".

That is a good catch.

There is also a 3B9/3B8?? on now that is something like #52 on most needed lists. He was also on 40m last night but very weak out this way.

So for those who chase DX, don't let the topic of bad condx keep you from watching for the good ones.....they do show up!

Thanks for the info John. Hope to cu in the pile-ups! :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 25 Sep 1997 07:36:31 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: "James C. Owen, III" <owen@piper.eeel.nist.gov>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [27420] Re: To CW or not to CW that is the ?
Message-ID: <Pine.SUN.3.90.970925072715.6987B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>
> >listen to two
> > CW transmissions (one of which could be at extremely high speeds),
> > type one of them, while memorizing the other to be typed later,
> > and still carry on a conversation with someone in the room!
> > that either I am mistaken about the story, or that
> > my father was a liar, since the feat described was utterly
> > impossible.

Well, I can remember listening to check in's from 3 nets and being able to record all data without any trouble.

But those were simple check-ins.

However, I could read a book while copying CW and never miss a letter. The CW would just go into the ears and come out the fingers onto the mill. I would have no idea what I copied, but could remember what I read.

Could also talk with people and never miss any letters.

I think the only thing needed to be able to do this is to do nothing but copy CW for 8 to 12 hours per day for a year or two!

But it will ruin you for Amateur ragchewing because the code just goes to the fingers and not into your head! You really have no idea what was said or who was saying it.

So, while things like that can be done, unless you are doing it as a job, there isn't any good reason to do it!! :-)

I do know that there are a lot of testers who can listen to two receivers at the same time and use one to tune for multipliers while running stations on the other radio. Many can also talk without losing track of what is going on!

So I just hate to say that something is impossible! May well be impossible for me to do, but I'd not bet on someone else not being able to do it!!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 25 Sep 1997 07:51:17 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <ccart@dns.vidtel.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [27421] Re: Virtual Pacificon es foxii
Message-ID: <199709251449.JAA18903@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> Good point, is there anyone that can volunteer a mirror site, for a few

> days? Maybe on the east coast? That way we won't have that three hour
> time zone delay thingie :-)

Yeah, the time zones sure do a number on the internet. Here in California, the e-mail from eastern zones arrives before it was actually sent, so we have to read it before the sender has tempered his language and fixed his grammar and spelling!

On another topic: If you haven't tried a QRP-L foxhunt before, you have to jump in and participate this year. Why? Well, first of all, you've been missing some of the best fun ever to be had (even better than pork rinds, cheese doodles and a Bubba contest), and secondly, because I'm going to be one of the hunted this year, and I will need all the points I can get.

72,

Mike K1MG

Date: Thu, 25 Sep 1997 07:53:16 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27422] Re: To CW or not to CW that is the ?
Message-ID: <342A7ADC.4D02@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ron, you make true points here:

- 1) Automatic/Reflexive response is necessary.
- 2) The level of concentration bypasses the head. Right to the keyboard.

So I must finally reply to the previous poster. I don't want to hurt anyone, but he asked.

I assume that your father was copying encrypted text. 4/5 letter or number groups. Whereas I have copied 35 wpm, formatted codegroups while carrying on casual conversation, I find it impossible to believe anyone could accurately, and with complete confidence, type up at a later time, the encrypted text heard in the background on a second receiver -- and submit to military brass, such copy.

I would receive the quote about your father's abilities as

a delightful, almost believable tall tale, as a flattering testimonial to what may have been exceptional skills of his.

You should be proud.

-Ed Loranger

Monte Stark wrote:

```
>
> >
> > >listen to two
> > > CW transmissions (one of which could be at extremely high speeds),
> > > type one of them, while memorizing the other to be typed later,
> > > and still carry on a conversation with someone in the room!
> > > that either I am mistaken about the story, or that
> > > my father was a liar, since the feat described was utterly
> > > impossible.
>
> Well, I can remember listening to check ins from 3 nets and being able
> to record all data without any trouble.
>
> But those were simple check-ins.
>
> However, I could read a book while copying CW and never miss a letter.
> The CW would just go into the ears and come out the fingers onto the
> mill. I would have no idea what I copied, but could remember what I
> read.
>
> Could also talk with people and never miss any letters.
>
> I think the only thing needed to be able to do this is to do nothing but
> copy CW for 8 to 12 hours per day for a year or two!
>
> But it will ruin you for Amateur ragchewing because the code just goes
> to the fingers and not into your head! You really have no idea what was
> said or who was saying it.
>
> So, while things like that can be done, unless you are doing it as a job,
> there isn't any good reason to do it!! :-)
>
> I do know that there are a lot of contesters who can listen to two receivers
> at the same time and use one to tune for multipliers while running stations
> on the other radio. Many can also talk without losing track of what is
> going on!
>
> So I just hate to say that something is impossible! May well be impossible
> for me to do, but I'd not bet on someone else not being able to do it!!
>
```

> cul,
>
> 73, Ron, SOWP 5545M,
>
>KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
>ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
>QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Thu, 25 Sep 1997 08:03:28 -0700
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <w4ed@flash.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [27423] Re: Sound Blaster 16 DSP
Message-ID: <199709251502.KAA19613@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Bob Edwards, W4ED <w4ed@flash.net>
> ...I scanned it for typical DSP info and found mostly PC audio
> type commands like "mono on" or "speaker status". Did not
> find any low level math/move/jmp/etc commands of a DSP.
> Did I scan to (sic) fast, or misunderstand what's there ?...
>

The sound blaster card does not have anything resembling a DSP on it. If you wish to do digital signal processing, you can acquire streams of digitized audio from the card, then write your DSP algorithms in the language of your choice to run on the PC processor. The sound blaster can then be used to convert the numeric output of your program to sound.

There are a few DSP based sound cards available; most of them are based on an example design from Analog Devices.

Mike K1MG

Date: Thu, 25 Sep 1997 11:05:45 -0400
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [27424] Re: HW-8 mod handbook
Message-ID: <342A7DC9.1EA3@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

WOODY@HB0I.edu wrote:

> post on this list that that someone was selling the last of the HW-8 mod
> handbooks. (Was it Mike Bryce?) If anyone knows who I should contact
> to purchase one, please e-mail me.

That was one distributor selling out his stock.
The book is still available directly from Michael Bryce at;

Sunlight Energy Systems
P.O. Box 508
Massilon, OH 44648

If you ask for the HW-8 Handbook and send him \$11, the book comes back
in a week or two.
I bought mine in July. :-)

michael N6CHV

Date: Thu, 25 Sep 1997 08:07:51 -0700 (PDT)
From: David Feldman <dgf@netcom.com>
To: qrp-l@lehigh.edu, tentec@contesting.com
Subject: [27425] PM3A front end transistor swap success
Message-ID: <199709251507.IAA19426@netcom5.netcom.com>

I posted a while back (1 month?) about my PM3A whose front end mixer
FET died at the same time I had a nearby severe lightning storm (but
the radio was disconnected from the antenna, teaching me a lesson about
nearby lightning).

Anyway, after a couple of suggestions I put a 40673 into the circuit,
replacing the existing transistor, and the rig hears better than ever,
with no difficulty or adjustments.

Just a note in case someone else experiences a similar failure.

73 Dave WB0GAZ dgf@netcom.com

Date: Thu, 25 Sep 1997 10:18:55 +0000 (GMT)
From: Jim Glover <psykey@okcforum.org>
To: we6w@qsl.net
Cc: qrp-1@lehigh.edu
Subject: [27426] Re: To CW or not to CW that is the ?
Message-ID: <199709251018.KAA07608@okcforum.org>
Content-Type: text

>
> I would receive the quote about your father's abilities as
> a delightful, almost believable tall tale, as a flattering
> testimonial to what may have been exceptional skills of his.

Actually, there's a missing step here. The story was one of my father's war stories, yes, but he wasn't the one doing the copying. My father was a radar/radio technician in WW II, and the CW op was one of the radio operators onboard the ship he served on. (It was a destroyer escort, the USS Eldridge, if anyone is keeping score.)

> You should be proud.

I gather my father's skills were exceptional, but in the area of keeping the radar working, rather than keeping the CW messages flowing. :) But yes...there were many fine reasons to be proud of him. I miss that old coot!

> I assume that your father was copying encrypted text. 4/5
> letter or number groups. Whereas I have copied 35 wpm, formatted
> codegroups while carrying on casual conversation, I find
> it impossible to believe anyone could accurately, and with
> complete confidence, type up at a later time, the encrypted
> text heard in the background on a second receiver -- and submit
> to military brass, such copy.

Part of this story was the detail that only one side of the split-phone arrangement could be high-speed CW. The other side was supposedly slower; it may also have been plain text. Or, the guy could've had "photographic" memory...but my bet is

on plain text.

--Jim WB5UDE

Date: Thu, 25 Sep 1997 11:17:27 EDT
From: w4bws@juno.com (Donald E Sanders)
To: psykey@okcforum.org
Cc: qrp-1@lehigh.edu
Subject: [27427] Re: To CW or not to CW that is the ?
Message-ID: <19970925.112800.5087.1.W4BWS@juno.com>

Jim, I learned the code in 1948 and was at about 8 to 10 WPM with a brick wall when an old timer W8ZFZ who was in the WWII signal core helped me to overcome the wall and get up to 45 WPM. He used to smoke, drink coffee (by the gallon), carry on a conversation, and copy in his head 2 CW signals and tell us what they were saying or copy them on a MILL (military typewriter for those from Alameda). I never forgot his feats and later learned to copy 2 signals or 1 signal and a conversation because my wife thought that when I had earphones on that was a sign she could begin to tell me about the neighbors and her day and all the honey do's. But the most memorable thing I learned was to copy a signal at the noise level and under 3 layers of QRM- I wish the brain and ears worked as well today.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Wed, 24 Sep 1997 16:48:57 +0000 (GMT) Jim Glover <psykey@okcforum.org> writes:

>You guys are great! ...It's nice to realize that this bunch is
>so savvy. One of my father's war stories was about a CW op onboard
>the ship my father served on in the Navy, who could (using what
>they called "split phones"...what we call stereo) listen to two
>CW transmissions (one of which could be at extremely high speeds),
>type one of them, while memorizing the other to be typed later,
>and still carry on a conversation with someone in the room! I've
>told this story among hams a number of times, and more often than
>not, I've been a little frustrated when someone explains to me,
>carefully, that either I am mistaken about the story, or that
>my father was a liar, since the feat described was utterly
>impossible. Sounds like we may have some folks here who know
>better! :)

>

>--Jim WB5UDE

>

>

Date: Thu, 25 Sep 1997 11:17:26 EDT
From: w4bws@juno.com (Donald E Sanders)
To: qrp-dave@ocsnet.net
Cc: qrp-1@lehigh.edu
Subject: [27428] Re: Tube QRP rigs
Message-ID: <19970925.112800.5087.0.W4BWS@juno.com>

Dave, there were a few 12 volt tubes that were used in auto radios just before the solid state ones were plentiful. They had numbers in the 12AC7 and up if I remember right. If you can find a tube manual they will be in there, the audio output tube should make a 1 to 2 watt transmitter and they had tubes for rf/IF amps and mixers also. Good hunting and let us here how you do with your building.

Donald E. Sanders W4BWS
694 E. Eau Gallie Blvd. Satellite Beach, FL 32937
407-779-0222 Fax 407-779-0830
E-mail to w4bws@juno.com
My favorite QRP rig glows in the dark

On Wed, 24 Sep 1997 13:20:13 -0700 David Smith <qrp-dave@ocsnet.net> writes:
>Hi guys and gals! I have been watching the postings about mis-wired
>houses,
>etc., and the shock danger from tube rigs. O.K. There is no shock
>value
>(hi!) in a 12V QRP rig, is there? The 12V will give far more
>portability
>and portability is one of the hallmarks of QRPing, isn't it? Just a
>thought.
> I am in the process of searching for 12V tube QRP kits, and
>thus
>hope to solve a shocking problem. Just tho't I'd put in my \$.02
>worth.
>
>73,
>QRPDave
>"We have met the enemy and he is us." --Pogo
>
>
>

Date: Thu, 25 Sep 1997 10:36:20
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [27429] Shocking stuff
Message-ID: <3.0.1.16.19970925103620.08e7993a@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

A lot of good advice on AC wiring and shock hazards. I have a friend who moved into an apartment and could not boil water on the electric stove. She called me over and I found the ground and hot reversed in the stove outlet. Good thing the stove and sink were too far apart to touch at the same time!

On 12 Volts, this generally is not a shock hazard but can be a burn hazard. A lot of you run gel-cells and they can put out a LOT of current into a short, causing insulation to burn and start fires. Be careful of rings and bracelets around high current batteries. They have been know to short battery connections and burn flesh!

A wise Electronics tech or Electrician does not have any metal on thier fingures or wrists !

73,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Thu, 25 Sep 1997 08:51:42 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: kd1jv@moose.ncia.net
Cc: qrp-1@Lehigh.EDU
Subject: [27430] Re: Shocking stuff
Message-ID: <199709251551.IAA22085@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:36 AM 9/25/97, you wrote:

>
>On 12 Volts, this generally is not a shock hazard but can be a burn hazard.

>A lot of you run gel-cells and they can put out a LOT of current into a
>short, causing insulation to burn and start fires. Be careful of rings and
>braclets around high current batteries. They have been know to short
>battery connections and burn flesh!

>

This one I can relate to... At Ft Tuthill, as I was connecting the station to the gel-cells, there was a short in the harness, and it very quickly started to burn. I reached to disconnect it, and the wire was too hot to handle...so I jerked it loose. Got a burnt finger tip, but saved the rig, thanks to the 1N4001 diode.

Also shorted between battery terminals (inadvertently on a car battery), and somehow got my wedding ring in the circuit. Mucho painful, and lost a good ring from it. YL was not too happy, but lets me take it off when I work on batteries, now :^).

73,

Bob KI7MN (ki7mn@dancris.com) Chandler, AZ

Grid DM43bi Lat 33.334500 Long -111.87260

NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL

<http://www.dancris.com/~ki7mn>

WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Thu, 25 Sep 1997 08:44:05 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [27431] Novice/Tech+'s
Message-ID: <01BCC98F.323B88C0@pps-pc10.gw1.com>
Content-Type: text

Attention any of you who are Novice/Tech+'s. If you think you like CW and can receive at any speed sign up to be a FOX. I'll admit it's real scary to work CW the first few times (even on a new band) but when you HAVE to do it most people can do it.

Being the FOX you HAVE to do it. I know it made me get on the air. Twice a month I was able to be a N/T+ Fox last year and that's about how much I got on the air, twice a month.

The guy's and gals that participate in the hunt are great. They will send at YOUR speed and repeat until you get it right - after all THEY don't get any points unless YOU get it right.

I'll even tell you how to be a FOX.

First you come home early from work - not because you need to (you set the time) but because YOU NEED TO. You will turn on your rig two hours before its time to get on the air. And you will, for the next two hours, check to be sure its working and your have tuned everything up correctly.

You might eat dinner, you may not think you can hold it down. Remember you will be on the air for 2 hours so DON'T drink too much.

Finally 10 minutes before your suppose to start you will sit down at your rig and recheck everything. You'll get back up and walk around then sit down again. You'll do this a few times then realize it's 10 seconds PAST the time you were suppose to start and you'll run back to your rig to get started.

First you will send CQ CQ CQ FOX de ***** K and listen. Even though you've picked a quiet spot on the band there will be a lot of noise from out of now where. Listen again - send out another CQ string. This noise will come and go at your command. Its people, just like you, calling you back.

Take a deep breath and send CQ again. This time listen for the tone that is a little off, one you can read, even if its only two characters you have a hound.

Send out your two characters and wait. A full call will come back, at your speed, and in it will be the two characters you sent. You've made contact.

Send your exchange and you will get one back. Ask for a repeat. You'll get one. Ask again but slower. You'll get it again, slower. Soon you'll be able to copy what was sent and you'll send RRR 73's and SK.

Sit back and listen to the noise, its started all over again and will continue for the next two hours (which will seem like 15 minutes).

Does it get better? No, I just described my 10th time at being a FOX. Do YOU get better? YES!!! Only two of the 1996/97 N/T+ Foxes didn't upgrade before the hunt was over and both of us upgraded following the season (I did the Saturday Field Day ended - I couldn't until then I was responsible for the N/T+ FD team) and Niel had to travel 800 miles to take the tests so he went from Tech+ to Advanced in one day.

So if you think you like CW sign up to be a N/T+ Fox and you WILL LOVE CW when your done.

De KBØROL, Brad

Date: Thu, 25 Sep 1997 09:31:14 -0700 (PDT)
From: Monte Stark <ku7y@sage.dri.edu>
To: Bob Hightower <ki7mn@dancris.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [27432] Re: Shocking stuff
Message-ID: <Pine.SUN.3.90.970925092925.7374B-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Sep 1997, Bob Hightower wrote:

> to the gel-cells, there was a short in the harness, and it very quickly
> started to burn. I reached to disconnect it, and the wire was too hot to
> handle...so I jerked it loose. Got a burnt finger tip, but saved the rig,
> thanks to the 1N4001 diode.

Hmmmmmm, where was the fuse?? :-)

73, Ron, SOWP 5545M, Indoor Supreme Grand Poobah BUBBA '97!!

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 25 Sep 1997 12:30:35 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Derek Brown <DBrown@rfmd.com>
Cc: "'KnightLites'" <klqrp@acpub.duke.edu>, QRP List <qrp-l@lehigh.edu>, "N.J. QRP
Club List Server" <njqrp@njqrp.org>,
 G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>
Subject: [27433] Re: Multi-band Verticals
Message-ID: <Pine.BSI.3.96.970925120207.18427A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sounds like you need a St. Louis Vertical (SLV) with a W6MMA Coil
Assembly KIT. Vern Wright sells the Coil Kit for \$ 50, and the SD-20 or
Black Widow Fiber glass pole can be had for around \$ 25.00 from someone
on QRP-L.

Cabela's in Sidney, Nebraska sells the 20 foot Black Widow for under \$ 25.00. 1-800-237-4444 1997 Fishing Catalog page 27 Black Widow WW-11-0503 20FT Black Widow Order Code (020) \$ 21.99 plus shipping.

One of the 7 land boys was selling the SD-20 Pole for \$ 25.00 each. They are slightly better poles but seem to be a little harder to find. The factory only sells in case lots, so some one has to invest a few bucks to get these. NORCAL did some, but are no longer doing them.

There has been lots of details on the SLV on QRP-L.

I might add that W2GUM ON NJ-QRP List makes an alternative base for them.

The nice thing about the SD-20 & Black Widow Poles is the fact that they collapse down to 4 ft and are very handy to use for portable operations.

They also lend themselves to Antenna Experiments at home and in portable locations. four of them and a length of coax and a roll of magnet wire and you can have a horizontall loop up in a jiffy. They can also be used along with som PVC pipe and fittings to make some even bigger antennas.

N2CX, Joe Everhart of NJ-QRP Club sells some neat PVC Antenna Mast kits and some Simple Dipoles to go along with them for portable use.

Oh Yes and the "RAINBOW ATU".

That should get you started and maybe help a few others with the same questions.

72 ES

QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net "Danny"
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
QRP ARCI Net Manager and Board of Director Member.

On Thu, 25 Sep 1997, Derek Brown wrote:

> Hello Gang,
>
> After the arrival of my ZM-1 kit yesterday afternoon I am inspired to
> start researching antennas. One of those guys who made the "final cut"
> on getting ZM-1's lost out - when you tell someone that "the check's in
> the mail," you'd better mean it. Roy Gregson had (with my permission)
> been sitting on my check.
>
> I do plan to assemble a dipole center-fed with 450 Ohm feedline. [Need
> to order a Ladder-Grabber now] Back to the main issue - verticals.
> Currently being an apartment dweller, my homebrew resources are limited.

> But for portable operation (i.e. Outer Banks) where trees are either
> scarce or absent I may need a vertical (or use a mast type support for
> my dipole). What I'm looking for is a commercially-made multi-band
> (WARC bands highly desirable) vertical which can be broken down and
> reassembled with only reasonable effort (an hour or so?)...something
> which could be transported on my car-top and lugged up to a hilltop. If
> you know of such an antenna, I'd like to hear from you.
>
> With the ZM-1 kit, a gelcel charger (I've already acquired the
> components), and, hopefully, a Sierra kit, my Winter weekends will be
> busy.
>
> Sidebar: If the KnightLites do a kit, I'd be happy to help package
> parts.
>
> 73 to all and hope to see you at Oct. QRPizza,
>
> Derek Brown, WF4I
> Greensboro, NC
> dbrown@rfmd.com
>

Date: Thu, 25 Sep 1997 12:44:47 -0400
From: Michael <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.EDU>
Subject: [27434] 'Safer' Gell cell battery pack
Message-ID: <342A94FF.40D4@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In the interest of safety for equipment and people I have taken to
fusing my battery packs internally.

Most of my gell cell batteries are a pair of 6V units in series to
give 12V. I use an inline fuseholder as the jumper between the two.

Radio Shack sells a fairly decent unit but I found one by Littlefuse
at Discount Auto Parts, model # FHA 30 BP. It uses 12 GA wire, and
comes with a 30A fuse.

I then insulate the connections, this way even if I drop something
on top of the battery and short it directly, the battery and everything

else is protected.

Btw, I also use an inline fuse holder in the power leads with a fuse designed to protect the radio. Usually a 2A or 5A fuse for my radios.

Any battery that I make up that I have access to internal connections gets a fuse in the middle of the string of cells.

73 michael N6CHV

Date: Thu, 25 Sep 1997 9:50:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: wager@juno.com (Receipt Notification Requested), qrp-l@Lehigh.EDU (Receipt Notification Requested)
Subject: [27435] 38S ends
Message-ID: <M2060837.002.2qur1.1.970925172051Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Jim/Doug:

What a fantastic run.

I wonder if any other kits done by non-commercial groups ever reached this quantity. Heck of a record. Even have two units myself.

73, Bob N6WG

Date: Thu, 25 Sep 1997 13:37:52 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [27436] Re: Shocking stuff
Message-ID: <Pine.LNX.3.93.970925133122.1170C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 25 Sep 1997, Monte Stark wrote:

> > to the gel-cells, there was a short in the harness, and it very quickly
> > started to burn. I reached to disconnect it, and the wire was too hot to

> Hmmmmmm, where was the fuse?? :-)

Must be one of those minimalist "Sprint rigs" :-) Once again proving all things 'lectronic run on smoke, and batteries hold a lot of smoke.

Which reminds me that I have to put some fuses on a few of mine<sigh>. I bought some of the 1A, 2A, 5A fuses that are the size of a 1/2W resistors from Mouser, and put a clip on each end, handy to have around. I suppose you could also get an "alligator to alligator" jumper and put a fuse holder in the middle, then use it where ever you need it. 72

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --
-- N3XRV               QRP WAS 17/9 (w/c)   |       ccart@erols.com       --
-- QRP-L #655 NORCAL   #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --
```

Date: Thu, 25 Sep 1997 11:10:43 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [27437] BUBBA Results Correction
Message-ID: <199709251810.LAA05999@usr06.primenet.com>

Howdy Folks,

Yes, every contest manager's worst nightmare - the dropped log. Actually in my case it was still buried in my mailbox, waiting to be saved to the master BUBBA file. Doh!

Randy, AB7TK, our reliable Idaho multi, the guy with the cool Bumblebee Sprint QSL, was left out in the cold. Which is fine for FYBO, but not BUBBA. ;-)

So since he didn't get to be in the drawing, we will award (by default) one Big Mac and perhaps a bag of BBQ pork rinds to Randy. Along with my profuse and humble apologies.

Please note that all this grovelling has *nothing* to do with the fact that Randy is a Fox this season. Nope nope. Not a bit. Didn't even think about it. Not once. ;-)

===== BUBBA '97 LOG CORRECTION =====

Callsign	Category	QTH	Q's	SPC	Temp	Power	Score
----------	----------	-----	-----	-----	------	-------	-------

[...]

AF9T	Outside	WI	23	15	84F	900mW	60,960
WA8GHZ	Outside	TX	25	14	102F	5w	42,000
AB7TK	Outside	ID	28	17	80	5w	41,080
AL7FS	Indoors	AK	28	19	77F		QRP
							40,964
XE1/K8ZAA	Indoors	MEX	32	16	70F		QRP
							38,840

[...]

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It happens sometimes. People just explode. Natural causes." -Repo Man

Date: Thu, 25 Sep 1997 11:47:47 -0700
 From: Ed Loranger <we6w@qsl.net>
 To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [27438] Re: Shocking stuff
 Message-ID: <342AB1D3.3273@qsl.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

Steven Weber wrote:

<snip....>

>

> A wise Electronics tech or Electrician does not have any metal on thier
 > fingures or wrists !

Absolutely! I spent many yrs as a line technician in
 microelectronics. Never wore a watch and left the wedding
 ring at home. (Xyl didn't buy that.)

Now after years of programming I've lost enough weight
 to wear the thing and actually do. So I was only 'heavy'
 for 4 yrs instead of 14!

-Ed L.

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)

HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Thu, 25 Sep 1997 12:25:40 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-l@Lehigh.EDU
Subject: [27439] Re: Shocking stuff
Message-ID: <199709251925.MAA12083@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Thu, 25 Sep 1997 12:23:02
>To: Monte Stark <ku7y@sage.dri.edu>
>From: Bob Hightower <ki7mn@dancris.com>
>Subject: Re: Shocking stuff
>
>At 09:31 AM 9/25/97 -0700, you wrote:
>>On Thu, 25 Sep 1997, Bob Hightower wrote:
>>
>>> to the gel-cells, there was a short in the harness, and it very quickly
>>> started to burn. I reached to disconnect it, and the wire was too hot to
>>> handle...so I jerked it loose. Got a burnt finger tip, but saved the rig,
>>> thanks to the 1N4001 diode.
>>
>>HMMMMMMM, where was the fuse?? :-)
>>
>
>Weren't one, as there are none in the OHR rigs. But there soon will be :^)
>

73,
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-l #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Thu, 25 Sep 1997 9:55:00 -0500
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: we6w@qsl.net (Receipt Notification Requested), qrp-l@Lehigh.EDU (Receipt

Notification Requested)

Subject: [27440] CW

Message-ID: <M2060838.003.2qur2.1.970925172052Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Got a chuckle out of your reminiscences about three receivers at once.

I used to run a teletype order-wire up in Alaska in the old Alaska Communication System over landline.

After typing on the tty all day, I would go back to my quarters and try to type a letter home. I wondered where the three extra characters at the end of a line came from, until I realized my reflexes had me hitting Line Feed, Letters and Carriage Return with a nice three finger roll. Talk about totally unconscious.
73, Bob N6WG

Date: Thu, 25 Sep 1997 15:34:09 -0500
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [27441] Homebrew
Message-ID: <342ACAC1.19AA@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy from Texas Y'all...

Thought I might pass on this link to the local ham club web page. There is a Tech section included that has some great homebrew help. One section is on removing components from scrap boards, another on enclosures, another on making circuit boards and so on. These are presented each month by a club member, KC5RCC, at our club meetings. The next one to be posted will be on front panel labels. It gets a new addition about monthly. Check out some of the other areas of the NARS web page also. Under the heading of Contest is a little something on copying QRQ cw. Let us know what you think. Here is the url:

<http://www.flash.net/~nars/>

CU---OJ---K10J

..

OWEN'OJ'QUARLES <k1oj@swbell.net>
HOUSTON, TEXAS QRP-L #732
ARCI #9492 AR QRP #64 CQC #476
CW OR CB, ITS YOUR CHOICE!

Date: Thu, 25 Sep 1997 15:46:02 -0500 (CDT)
From: Bill Morris Denton <bdenton@tenet.edu>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [27442] Houston Bubba Feast
Message-ID: <Pine.OSF.3.96.970925152918.24098A-100000@abernathy.tenet.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

HOT DOG! Or should I say BIG MAC! I knew this BUBBA contest would turn out out to be something worth while. Now that it that the word is out.. I W5Super Bubba hope to share with the Houston Bubbas the Big MAC I won in the drawing. Boy never won anything before, time to celebrate. Sharing a BIG MACK with K10J,K5ZTY and Bubba Jack WA8GHZ will be a sight to see. Just like 4 pigs in a troff. Maybe I can get those three guys to chip in on a hot apple pie. ummmmmmmmm good!
Got to go now and call all the Houston Bubbas and set a date for the feast.

BTW JOE my catagory was indoor. Couldn't tell by the temp. My shack has no AC. It's outside all the time.

Bill--W5SB

Date: Thu, 25 Sep 1997 16:46:41 -0400
From: "W. D. Lindsey" <70511.3041@compuserve.com>
To: "Lageson's" <LAGESON@worldnet.att.net>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [27443] Fox Hints ??
Message-ID: <199709251649_MC2-21D5-607C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Jim:

Believe it or not, I was thinking the same thing. Something like calling CQ CQ FOX de K0EVZ up [or maybe down] 2. Etc. Is this something like you

are thinking? Will be interesting to see responses to your posting!
Wonder how this might fit in with Chuck's thinking, too.

72/73,
--Doc/K0EVZ qrp-l 861

Date: Thu, 25 Sep 1997 16:54:22 -0400
From: "W. D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:bmug@gw1.com" <bmug@gw1.com>
Cc: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [27444] Novice/Tech+'s
Message-ID: <199709251657_MC2-21D5-61BB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Brad:

I remember you as a Novice/Tech + last season....and the truly excellent job you were doing. It was encouraging to this ham of 37 years to see guys making such excellent CW operators and improving steadily each time out.

Guys, take a good read at what Brad is saying. And even if you are not quite ready to *be* a FOX yet....be certain to get in the hunt. Indeed I have been a ham for 37 years. But I was away from the hobby entirely for 33 years, returning in late July 1996. Had to take all the tests from the very beginning. Currently still a General but working on Advanced and Extra.

The bottom line--trying to work the FOXes (both N/T+ and others) last FOX season got my speed way up, made me a much improved operator, and caused me indirectly at least to try to upgrade and improve every part of my system. Including especially the antennas, but also other parts of the system.

Anyway, let me join many others in encouraging all of us during this FOX season. Another thing: I always have newer hams on hand during the FOXhunts. They enjoy the event even though they are not any more actively involved than listening and trying to copy the exchanges with a pencil. I hope to hear every one of you in the hunt! Good luck.

72/73,
--Doc/K0EVZ qrp-l 861

Date: Thu, 25 Sep 1997 14:03:06 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: qrp-1@Lehigh.EDU
Subject: [27445] Re: Fox Hints ??
Message-ID: <199709252103.0AA20850@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Thu, 25 Sep 1997 13:43:06
>To: "Lageson's" <LAGESON@worldnet.att.net>
>From: Bob Hightower <ki7mn@dancris.com>
>Subject: Re: Fox Hints ??
>
>At 08:31 PM 9/25/97 +0000, you wrote:
>>This will be my first shot at being the fox, any of you veteran or "alpha"
>>fox have any advise for a young pup? Are there some do's and don'ts that you
>>can share. I've heard some pileups for the "fox" that were pretty ugly, I
>>am thinking of maybe working split freq and have folks spread out abit. Or
>>is it just Chucks warnings that have me worried. See you in the foxholes!
>>
>>
>Not that I'm a veteran, but work what you can hear, no matter how weak.
>Most all of the guys are patient enough to wait and keep trying. Don't even
>think about splits, since most qrp rigs can't do that, unless they are from
>one of the big manufacturers.
>
>No one is going to be upset if they don't catch you...who knows where the
>problem lies, with your ears, or their xmtr/ant,etc?
>

73,
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Thu, 25 Sep 1997 22:48:48 +0100
From: "Graham Firth" <Graham.Firth@btinternet.com>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [27446] RE: working with SMT parts

Message-ID: <E0xEMDp-0006o5-00@helium.btinternet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Hi All

Thanks to Steve-

> From: Steven Weber <kd1jv@moose.ncia.net>

> Subject: [27353] working with SMT parts

for the good info on SMT work, however, I must argue with him on one point:-

> Removing chip caps and such is easy. With a wide tip, heat up the whole

> part and it will slide off. Removing IC's is almost imposable with out

> destroying the part or the board.

SMT ICs are easy to remove!!

How?

Well, you get some very thin wire and thread it alongside the ic under the pins. There is always a very small gap there - hence the very thin wire.

You solder one end to the board somewhere where it doesn't matter just to anchor it.

Then you gently pull the other end away from the chip so that the wire is trying to get between the chip leg and the board. Then you apply the iron the that leg and PING!!, the wire will slip out from under that leg & clear the gap of solder. Then you just work along the chip heating up each leg in turn till the wire pulls away from the chip.

Usually just an odd pin may need heating again.

Then you do another side, repeating if its a chip with legs on all four sides. And Hey Presto - the chip is loose!

I have removed AND REPLACED chips using this method! (Usually 'cos the chip was not faulty)

Sorry for the long explanation - I wish I could draw in ASCII!

72/3

Graham

G3MFJ/AB7VN

Date: Thu, 25 Sep 1997 15:06:11 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Subject: [27447] HELP!!!!
Message-ID: <01BCC9C4.90AD9800@pps-pc10.gwl.com>
Content-Type: text

I sent off a message about the FOX hunt earlier today and now I can't get the hunt out of my mind. I NEED A FOX FIX FAST!!!

Shouldn't there be some sort of warm up or pre-season run or something???
This is bad, I have work to do, OK so I took my department to a baseball game yesterday, but I have work to do today. It's not fair, I tried to open the window to hang an antenna and maintenance told me I wasn't suppose to do that, something about recycled air and it being better for me then fresh.

Anyway, HELP!!! At least lets post the schedule - I'm on the digest so if it's been posted someone let me know when so I can grab it.

thanks

de KB0ROL,

Date: Thu, 25 Sep 1997 15:38:45 -0700
From: Ed Loranger <we6w@qsl.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27448] Re: HELP!!!!
Message-ID: <342AE7F5.6FC6@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Brad! My problem is I got the schedule yesterday on the list. But the dates.... I want to start tonight!

Hi! This is going to be great.... My first ever participation hunting the fox.

And Joe, great story on your antenna farm es how you got around the covenants. You have a respectable signal, and now more-so after reading what you have to go through!

Brad, look for Joe Gervais post yesterday and you'll get the schedule.

72/Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

Date: Thu, 25 Sep 1997 15:41:04 -0700
From: Ed Loranger <we6w@qsl.net>
To: bmug@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [27449] Re: HELP!!!!
Message-ID: <342AE880.3C9@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

OOPS!!!!!!

That's Chuck Adams, K5FO that posted the schedule...

I got all excited about Joe's comments.

Chuck posted at: Wed, 24 Sep 1997 23:15:11 +0100
the Announcement.

And:

Wed, 24 Sep 1997 23:15:38 +0100
for the schedule.

-Ed Loranger

--

72/73 de we6w qrp es cw ONLY (From non-ham to extra in one day!)
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.
QRP-L#1068/ARCI#9397/Norcal#2227/ARS#275/AR#112 grid CM88ok
mailto:we6w@qsl.net <http://www.qsl.net/we6w>

End of QRP-L Digest 859
